



# INSTRUCTIONAL PACKAGE

RAD 205-S01

Radiographic Pathology

201920  
Spring 2020

# INSTRUCTIONAL PACKAGE

## Part I: Course Information

Effective Term: 201920

COURSE PREFIX: RAD 205

COURSE TITLE: Radiographic Pathology

CONTACT HOURS: 2

CREDIT HOURS: 2

### RATIONALE FOR THE COURSE:

This course is a survey of disease processes significant to the radiographer, including etiology, diagnosis, prognosis and treatment.

### COURSE DESCRIPTION:

This is a required course for the senior radiology student. Recognizing radiographic pathology and adjusting technique is an important aspect of everyday patient care.

**PREREQUISITES/CO-REQUISITES:** RAD 136

### REQUIRED MATERIALS:

1. Comprehensive Radiographic Pathology-5<sup>th</sup> Edition  
By Ronald L.Eisenberg and Nancy M. Johnson ISBN- 978-0-323-07847-4
2. Comprehensive Radiographic Pathology Workbook- 5<sup>th</sup> Edition  
ISBN- 978-0-323-07849-8

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

[BOOKSTORE.](#)

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

### TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's student portal for course materials.  
WaveNet and D2L email access.

### CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate.

August 2019

## **Part II: Student Learning Outcomes**

### **COURSE LEARNING OUTCOMES and ASSESSMENTS\*:**

Module #1- Week 1-4

Materials Covered: Textbook- Ch 1 (Introduction to Pathology),  
Ch 2 (Specialized Imaging Techniques)- Ch 3 (Respiratory System)and Workbook

\*Assessment(s): Complete class/workbook review activity, Unit Test

Learning Outcomes:

1. Classify the more common diseases in terms of their attenuation to x-rays.
2. Explain the changes in technical factors required for obtaining optimal quality radiographic images.
3. Differentiate inflammation, edema, infarction, hemorrhage and neoplasia.
4. Describe precautions necessary when taking radiographs of patient with any body fluid precaution.
5. Review specialized imaging techniques not commonly performed in the diagnostic arena.
6. Locate placement of various medical tubes and lines
7. Describe the anatomy and the physiology of the respiratory system
8. Differentiate the more common diseases affecting the respiratory system and their radiographic manifestation.
9. Describe necessary position modifications for pathologic processes.
10. Illustrate common diseases processes and necessary radiographic adjustments

Module #2- Weeks 5-7

Materials Covered: Textbook- Ch 4-Skeletal System and Workbook and Ch 5-  
Gastrointestinal System

\*Assessment(s): Complete class/workbook review activity, Unit Test

Learning Outcomes:

1. Classify the more common skeletal diseases in terms of their attenuation to x-rays.
2. Describe the anatomy and the physiology of the skeletal system
3. Differentiate the more common diseases affecting the skeletal system and their radiographic manifestation.
4. Describe necessary position modifications for pathologic processes.
5. Acknowledge patients' conditions and offer appropriate compassion and care during the radiographic procedure.
6. Classify the more common Gastrointestinal system diseases in terms of their attenuation to x-rays.
7. Describe the anatomy and the physiology of the Gastrointestinal system
8. Differentiate the more common diseases affecting the Gastrointestinal system and the radiographic manifestation.
9. Describe necessary position modifications for pathologic processes.
10. Acknowledge patients' conditions and offer appropriate compassion and care during the applicable radiographic procedure.

### Module #3- Weeks 8-10

Materials Covered: Textbook- Ch 5- Urinary System

\*Assessment(s): Complete class/workbook review activity.  
Unit Test

#### Learning Outcomes:

1. Classify the more common diseases in terms of their attenuation of x-rays
2. Explain the changes in technical factors required for obtaining optimal quality radiographs in patients with various underlying pathologic conditions
3. Define and describe all boldface terms in the chapter
4. Describe the anatomy and physiology of the urinary system
5. Identify anatomic structures on diagrams and radiographs of the urinary system

### Module #4- Weeks 11 and 12

Materials Covered: Textbook- Ch 7-Cardiovascular system -11 Reproductive system

\*Assessment(s): Complete class/workbook review activity.  
Unit Test

#### Learning Outcomes:

1. Classify the more common cardiovascular and reproductive system diseases in terms of their attenuation to x-rays.
2. Describe the anatomy and the physiology of the various system
3. Differentiate the more common diseases affecting the various systems and the radiographic manifestation.
4. Describe necessary position modifications for pathologic processes.
5. Acknowledge patients' conditions and offer appropriate compassion and care during the applicable radiographic procedure.

### Module #5- Weeks 13-15

Materials Covered: Textbook- Ch 14-Nervous System), 9- Hematopoietic and 12- Miscellaneous Diseases)

Assessment(s): Complete class/workbook review activity, Unit Test

#### Learning Outcomes:

1. Classify the more common diseases in terms of their attenuation of x-rays
2. Explain the changes in technical factors required for obtaining optimal quality radiographs in patients with various underlying pathologic conditions
3. Define and describe all boldface terms in the chapter
4. Describe the anatomy and physiology of the urinary system
5. Identify anatomic structures on diagrams and radiographs of the urinary system

***\*Students – please refer to the Instructor’s Course Information sheet for specific information on assessments and due dates.***

## **Part III: Grading and Assessment**

### **EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS\***

Students’ performance will be assessed and the weight associated with the various measures/artifacts are listed below.

Exams, to include Final Exam- 80%  
Assignments/Project- 20%

### **GRADING SYSTEM:**

Grading scale is as follows:

92-100- A  
83-91- B  
74-82- C  
65-73- D  
64 and below- F

***\*Students, for the specific number and type of evaluations, please refer to the Instructor’s Course Information Sheet.***

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the academic calendar for deadlines for add/drop ([ACADEMIC CALENDAR](#)). You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

## **Part IV: Attendance**

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of 80 percent (80%) of their classes in order to receive credit for any course. Due to the varied nature of courses taught at the college, some faculty may require up to 90 percent (90%) attendance. Pursuant to 34 Code of Federal Regulations 228.22 - Return to Title IV Funds, once a student has missed over 20% of the course or has missed two (2) consecutive weeks, the faculty is obligated to withdraw the student and a student may not be permitted to reenroll. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

In this class a student must not exceed 3 absences, regardless of reason. A 2nd absence results in a verbal, written warning and a 3rd absence results in a final, written warning. After the allowed number of misses, the student will be dropped from the course with a W or a WF. If a student must be absent on the day of an assigned test or quiz the student must call the instructor within 24 hours to schedule a make-up test.

This guideline WILL BE strictly adhered to!! No Exceptions!!

#### Tardy Policy:

Students should be on time. It will be the policy that after the third tardy, the student will receive a verbal, written warning and be charged one day absent. After the 6th tardy, the student will be charged with an additional absence. A 7th tardy will result in termination from the radiology program.

If a student arrives 10 minutes after scheduled start time, they will be charged with an absence.

At a minimum, a student may be withdrawn from a course(s) after he or she has been absent in excess of ten percent (10%) of the total contact hours for a course.

## Part V: Student Resources



### The Student Success and Tutoring Center (SSTC)

The SSTC offers to all students the following **free** resources:

- 1. Academic coaches** for most subject areas, **Writing Center Support**, and **college success skills**.
- 2. On-line student success and academic support resources.**

Visit the SSTC website: [Student Success & Tutoring Center](#) and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455 or go to the [Online Resource Center](#) to access on-demand resources any time.

### TECH Central – Student Information Center



TECH Central provides quality enrollment and collegiate guidance for students, faculty, and staff. Services include phone, walk-in, and online technical support for technology training and

troubleshooting. Additionally, we offer support in Office 365, Outlook E-mail setup, and ID cards.

**Phone:** 843-349-5340

**Email:** [techcentral@hgtc.edu](mailto:techcentral@hgtc.edu)

**Text:** 843-357-8552

**TECH Talk (Live Chat):** Located on the "Home" tab in WaveNet.

**Website:** [www.hgtc.edu/techcentral](http://www.hgtc.edu/techcentral)

### **Locations:**

Conway Building 1100, Room 132D

Grand Strand Building 200, Room 136

## **Disability Services:**

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Beth Havens, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

## **Statement of Equal Opportunity/Non-Discrimination Statement**

Horry-Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, sex, national or ethnic origin, age, religion, disability, marital or family status, veteran status, political ideas, sexual orientation, gender identity, or pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation in educational programs and/or activities.

Inquiries regarding the non-discrimination policies: Students and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs, Dr. Melissa Batten, VP Student Affairs, Title IX Coordinator, Building 1100, Room 107A, Conway Campus, PO Box 261966, Conway, SC 29528-6066, 843-349-5228, [Melissa.Batten@hgtc.edu](mailto:Melissa.Batten@hgtc.edu). Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources, Jacquelyne Snyder, VP Human Resources, Section 504, Title II, and Title IX Coordinator, Building 200, Room 212A, Conway Campus, PO Box 261966, Conway, SC 29528-6066, 843-349-5212, [Jacquelyne.Snyder@hgtc.edu](mailto:Jacquelyne.Snyder@hgtc.edu).

### **Title IX Requirements**

All students (as well as other persons) at Horry-Georgetown Technical College are protected by Title IX—regardless of their sex, sexual orientation, gender identity, part- or full-time status, disability, race, or national origin—in all aspects of educational programs and activities. Any student, or other member

of the college community, who believes that he/she is or has been a victim of sexual harassment or sexual violence may file a report with the college’s Chief Student Services Officer, campus law enforcement, or with the college’s Title IX Coordinator, or designee.

\*Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

<p><b>Inquiries regarding the non-discrimination policies:</b></p>	
<p>Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs.</p>	<p>Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources.</p>
<p><b>Dr. Melissa Batten, VP Student Affairs</b>  <i>Title IX Coordinator</i></p> <p>Building 1100, Room 107A, Conway          Campus          PO Box 261966, Conway, SC 29528-6066          843-349-5228  <a href="mailto:Melissa.Batten@hgtc.edu">Melissa.Batten@hgtc.edu</a></p>	<p><b>Jacquelyne Snyder, VP Human Resources</b>  <i>Section 504, Title II, and Title IX Coordinator</i></p> <p>Building 200, Room 212A, Conway Campus          PO Box 261966, Conway, SC 29528-6066          843-349-5212  <a href="mailto:Jacquelyne.Snyder@hgtc.edu">Jacquelyne.Snyder@hgtc.edu</a></p>